MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

July 1947

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

JULY 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	51.0	50.1	47.9	49.7	33.2	25.0	29.1	30.8	26.6	28.8
2	1.2	2.3	53.0	52.2	33.0	23.5	29.1	31.4	26.4	29.0
3	4.6	4.5	5.7	4.9	32.7	23.3	29.4	30.8	25.6	28.6
4	6.2	6.2	4.0	5.5	31.9	23.3	28.7	30.4	24.8	28.0
5	6.7	6.3	6.4	6.5	31.7	23.3	27.7	29.9	24.6	27.4
6	56.4	55.4	55.1	55.6	33.3	23.3	26.7	31.6	26.5	28.3
7	5.5	4.7	4.4	4.9	32.7	24.4	29.4	31.1	26.1	28.9
8	2.3	1.7	1.4	1.8	33.9	24.7	29.4	32.2	26.6	29.4
9	0.9	0.7	3.5	1.7	33.9	25.8	29.5	31.9	26.6	29.3
10	0.9	0.7	1.2	0.9	33.6	25.6	29.6	32.1	26.6	29.4
11	51.3	51.5	52.1	51.6	33.6	24.1	29.4	31.7	26.1	29.1
12	3.5	4.0	4.7	4.1	34.2	24.4	29.9	32.2	26.2	29.4
13	5.3	5.0	5.2	5.2	33.4	23.9	28.9	31.1	26.1	28.7
14	4.9	4.3	4.9	4.7	33.6	23.4	29.1	31.1	25.8	28.7
15	5.8	6.3	7.2	6.4	33.3	23.9	29.0	29.7	25.9	28.2
16	56.7	56.7	55.4	56.3	32.5	24.6	29.4	31.0	25.9	28.8
17	4.7	3.9	4.6	4.4	36.0	25.2	31.9	33.7	27.9	31.2
18	3.5	2.8	3.0	3.1	34.1	25.2	29.9	32.3	26.7	29.8
19	2.7	2.5	2.7	2.6	33.6	24.6	30.4	31.6	26.4	29.5
20	3.0	3.7	4.3	3.7	34.4	24.0	29.2	33.0	26.6	29.6
21	55.4	55.9	56.5	55.9	35.0	24.5	30.2	32.8	27.2	30.1
22	6.0	5.2	4.7	5.3	34.6	24.1	30.2	31.9	26.8	29.6
23	3.7	2.9	2.8	3.1	34.1	25.7	29.3	32.2	27.1	29.5
24	2.7	2.6	3.3	2.9	34.3	23.3	29.9	32.7	26.5	29.7
25	4.5	4.5	4.8	4.6	34.1	24.0	30.1	32.1	25.8	29.3
26	55.8	55.3	55.7	55.6	32.8	24.3	29.4	30.7	26.1	28.7
27	5.0	3.8	3.9	4.2	33.7	24.3	29.4	32.1	27.2	29.6
28	4.1	3.9	3.9	4.0	34.2	25.1	30.2	32.2	27.0	29.8
29	3.5	3.7	3.8	3.7	34.2	23.9	29.9	32.2	27.1	29.7
30	3.5	3.6	4.3	3.8	34.4	24.4	29.9	32.2	26.6	29.6
31	4.3	4.5	5.2	4.7	34.3	25.0	29.7	32.3	27.2	29.7
	54.05	53.84	54.05	53.98	33.66	24.32	29.48	31.71	26.41	29.20

Barometer, range for month 757.2 — 747.9 mm.
„ 71-yr. average for month 755.46 mm.
Thermometer, range for month 36.0° — 23.3°C
„ 71-yr. average for month 28.02 °C.
Rain, total for month 0.00 m.m.
„ 71-yr. average for month 0.44 m.m.
„ Total, Sept. 1st. to end of month 834.39 mm.
„ 71-yr. average, Sept. 1st. to end of month 891.85 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	18.5	19.3	19.2	19.0	61	58	74	64	12.8	682.0	
2	18.8	19.0	18.7	18.8	63	55	73	64	12.8	430.0	
3	16.7	17.1	18.1	17.3	54	51	74	60	12.4	352.0	
4	17.4	16.5	17.3	17.1	59	51	74	61	12.9	140.0	
5	17.8	17.4	18.2	17.8	65	55	79	66	13.0	185.0	
6	19.1	19.2	20.2	19.5	73	55	78	69	13.1	190.0	
7	18.7	19.0	18.9	18.9	61	58	75	65	12.7	465.0	
8	19.1	20.0	20.4	19.8	62	56	78	65	12.6	645.0	
9	18.6	19.3	18.5	18.8	61	55	71	62	12.3	830.0	
10	18.3	19.7	19.7	19.2	59	55	77	64	12.4	855.0	
11	18.7	18.4	19.2	18.8	61	53	76	63	12.3	645.0	
12	19.0	20.0	20.5	19.8	61	56	81	66	12.2	502.0	
13	19.0	19.4	19.1	19.2	64	57	75	65	12.0	275.0	
14	18.0	17.8	18.7	18.2	59	53	75	63	11.9	219.0	
15	18.8	18.7	19.0	18.8	63	60	76	66	12.2	225.0	
16	18.7	19.4	20.1	19.4	62	59	81	67	12.7	348.0	
17	15.6	19.3	20.8	18.6	44	50	75	56	12.5	295.0	
18	17.2	17.9	19.4	18.2	55	49	74	59	12.4	547.0	
19	19.1	19.2	19.0	19.1	59	56	74	63	12.4	463.0	
20	19.7	19.4	20.9	20.0	65	52	80	66	12.7	365.0	
21	21.2	21.1	19.3	20.5	65	57	72	65	12.8	510.0	
22	20.3	18.9	19.0	19.4	63	53	72	63	12.9	264.0	
23	19.8	19.7	19.8	19.8	66	55	76	66	12.7	315.0	
24	19.4	19.2	18.6	19.1	61	53	72	62	12.8	571.0	
25	16.2	18.2	18.5	17.6	51	51	74	59	12.6	327.0	
26	18.0	17.4	17.0	17.5	59	53	67	60	12.4	491.0	
27	18.8	20.1	21.2	20.0	61	56	79	65	12.8	414.0	
28	20.4	21.3	21.2	21.0	63	59	81	68	11.9	607.0	
29	19.5	20.4	21.4	20.4	61	57	81	66	12.7	668.0	
30	20.3	19.2	19.7	19.7	64	54	76	65	12.6	174.0	
31	19.5	20.4	20.8	20.2	62	57	78	66	12.4	177.0	
	18.71	19.10	19.43	19.08	60.8	54.8	75.7	63.8	12.54	431.48	

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equals G.C.T.

71 year averages are for period, 1875-1945

JULY 1947

METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	6cu	10cu	5.3	2sw	1sw	1sw	light	
2	0	1ci	9cu	3.3	3sw	2sw	1sw	„	
3	0	0	2ci	0.7	2sw	2sw	1sw	„	
4	3cu-ci	1ci	0	1.3	1sw	1nw	1nw	„	
5	0	0	0	0.0	1nw	1ne	0	calm	
6	2cu	0	2ci	1.3	1sw	1sw	0	light	
7	1ci	2ci	5cu-ci	2.7	1sw	2sw	1sw	„	
8	2ci	1cu	0	1.0	2sw	2sw	2sw	„	
9	0	1cu	0	0.3	3sw	3sw	1sw	„	
10	1cu	0	0	0.3	3sw	2sw	4sw	„	
11	0	0	0	0.0	3sw	2sw	1sw	light	
12	0	0	0	0.0	2sw	2sw	1sw	„	
13	0	0	0	0.0	1sw	1sw	0	„	
14	2ci	0	0	0.7	1w	1sw	0	calm	
15	3cu-ci	0	0	1.0	1sw	1sw	0	light	
16	0	0	0	0.0	1ne	1nw	0	light	
17	0	0	0	0.0	1se	1ne	0	„	
18	0	0	1ci	0.3	2sw	2sw	2sw	slight	
19	3cu-ci	1cu	0	1.3	3sw	3sw	0	„	
20	0	0	0	0.0	3sw	2sw	1sw	light	
21	0	0	0	0.0	2sw	2sw	0	light	
22	0	0	0	0.0	1sw	1s	1sw	„	
23	1ci	0	0	0.3	1sw	1w	1sw	„	
24	0	0	0	0.0	2sw	2w	2sw	„	
25	0	2ci	0	0.7	1sw	1w	0	„	
26	2ci	2cu-ci	0	1.3	2sw	1w	1sw	light	
27	0	0	6cu-ci	2.0	1sw	1nw	1sw	„	
28	0	7cu-ci	0	2.3	2sw	2sw	1sw	„	
29	0	0	0	0.0	3sw	2sw	1sw	„	
30	0	0	0	0.0	2sw	1w	1sw	„	
31	0	0	0	0.0	1sw	1nw	0	„	
				0.84					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew. W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	0	1	0	27	1	1	0	31
14:30	0	2	0	0	1	19	5	4	0	31
20:30	0	0	0	0	0	19	0	1	11	31
Mean	0	3	0	1	1	65	6	6	11	93

Number of days with rain 0, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 0.17